Work Ordo <i>July-24-12 9:13</i>		7660		*87660*								Page 1
Item ID: Revision ID: Item Name:	D412-702-3 Harness Asse		A	Accept	*N900	040	100)*	Setup	Start Stop	*N:	S1* S2*
Start Date: Required Date:	7/05/12	Start Qty: 5.00 Req'd Qty: 5.00			Cust Item I Customer:	D:					·	. 1/
Approvals:	Process Pl	an: MLJ	Date: 12/07/24 Date:	Tooling: SPC (Y/N):		ate:			Run	Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
ICA412-702-3 100 *100* Small Fab Small Fab		vision Nbr Memo Assemble	e as per dwg ICA D412-702 p.	0.00 0.00 49	, , , , , , , , , , , , , , , , , , ,			5k	-			Poli
*110 *110* QC Quality Control		QC5- Inspect part con	npleteness to step on W/O	0.00 AS	2/18/15			(es	- - -			. <u> </u>
120 *120* Packaging Packaging		CHG001	: 263	0.00 0.00 shipping as per PPP D	412-702-305		S	7		2/08	1/15	

											DQA:	Date:	
NCR: Y	'es /	No				WORK ORDER NON-	COI	NFOR	MANCE / UPDATE		QA Closed:	Date:	
						NOITION			ACAIN.	ICT DE			
Work Orde	er:					DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No					Rework Skid-tube Crosst Scrap Machining Small Use-as-is Thermoforming Finish Work Order Update Large Fab Compo			Prod. Eng. Coor. Rec/Store/Packaging			Engineering Quality Other		
Root					Descri	ption of work order update		Initial	Action	********	Sign &	<u> </u>	
Cause		Date	Step	Qty	,	or Non-conformance	Ch	nief Eng	Description		Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling													
Operator												·	
Material													
Setup		i	-										
Other													
Process													
Supplier													
Training			:										
Unapproved					<u> </u>								
							AU	LT CATE	GORY				
Landir	ng Gea				_	General	_	٦			1		٦,
	Bending					-	Grain		-	Ovalized	-	Pressure/Forced	
Centre Not Concentric to O/S BOM/Route					o/s	-	_	Hardwa			Over/Under	⊢	Temperature/Cure
·						Broken/Damaged	<u> </u>	- "	ion Incomplete	\vdash	Part Incorre		Weld
	_		Crimped.		<u> </u>	Burrs	\vdash	-	ions Incomplete/Unclear	<u> </u>	Part Lost/M		Wrong Stock Pulled
	Cu					Contamination	<u> </u>	Mainte		_	Part Moved		
Heat Treat Countersink					Mislabe	eled	1	Positioned \	Vrong				

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Cut Too Short Drill Holes

Drawing

Finish

Folio

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID 87660 Suly-24-12 9:13:39 AM			*876	S60*							Page	2	
Item ID: Revision ID: Item Name:	D412-70	O2-305 Assembly		Accept	*N900040100)*	Setup	Start Stop		S1* S2*	
Start Date: Required Date: Reference:	7/05/12	Start Qty: 5.00 Req'd Qty: 5.00	*5* *5*		Cust Item I Customer:	D:					14.		
Approvals: Process Plan:QC:		Date:	Tooling: SPC (Y/N):		ate:		F	Run	Start Stop	*NI *NI	R1* R2*		
Sequence ID/ Work Center II	D	Operation Description QC21- Final Inspection	- Work Order Release	Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp	
130 QC Quality Control		Мето		0.00					165	5_1	408	117	~

p1208-16

DQA: Date:	
------------	--

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

										QA Closed:	Dat	e:
Work Orde	ır.				DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
Part N					Rework Scrap Use-as-is] ,					Engineering Quality Other	
NCR N	lo		 		Work Order Update	Large Fab Composite Supplier						
Root				Descri	tion of work order update		al	Ac	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief	Eng	Desc	cription	Date	Verification	n QC Inspector
Doc/Data Equip/Tooling								•				
Operator												
Material												
Setup												
Other												
Process	_				•							
Supplier	·							•				
Training	_											
Unapproved	<u> </u>	<u> </u>	<u> </u>			ALUTO	· A TE	CORV				
						AULT C	AIE	JURY				
Landir	ng Gear				General Bend	Псг	ain			Ovalized		Pressure/Forced
	Bending Centre N	ot Conco	ntric to 1		BOM/Route	\vdash	rdwa	ro.		Over/Under	tolerance	Temperature/Cure
	Cracks	or course	nuic to t	^{0/3}	Broken/Damaged	\vdash		on Incomplete	-	Part Incorre		Weld
	Crushed/	Crimned		-	Burrs	—	•	ions Incomplete,	/Unclear	Part Lost/M		Wrong Stock Pulled
	Cuffs	Crimpeu	-	-	Contamination			nance	- Citeredi	Part Moved	.55.1.16	
•	Heat Trea	at		<u> </u>	Countersink	\vdash	slabe			Positioned \	Vrong	
	—		Tube	 	Cut Too Short	\vdash	sreac			Power Loss/	=	Other
	├				Drill Holes	\vdash	fset		L	<u>.</u>	-	
	Torque Waves in Extrusion Drawing				Out of Calibration							
	Turning Sequence Finish					Ou	it of S	equence				
	Wave/Twist in Tube					Поп	ıtside	Dimensions				

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Picklist Print

July-24-12 9:13:39 AM

Work Order ID:

87660

Parent Item:

D412-702-305

Parent Item Name:

Harness Assembly

Start Date: 7/05/12

Required Date: 8/24/12

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item IP	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seg UD	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued,	Status
03573-1		Manufactured	No			100	Each	14.0000	1	5	01	/	
Adapter									<u> </u>			12/0	8/14
				Location		Loc Qty	L	oc Code				/	1. "
				GA		14							′
				6946	53	4			Ė	7			1
				8165	i3	10						- /	
D4088-041		Manufactured	No			100	Each	13.0000	1	5	J/)/50	d(
Shoulder Harness											KAO	Z/08	//4_
				Location		Loc Qty	<u>L</u>	oc Code				1 /	, (
				GA		-9				,	$/ \sim$	~ ~	600
				8479	14	13				/	· K	8 43	XX)/
				ST267		22						,	
MS24693-S273		Purchased	No			100	Each	795.0000	4	20	<i>}/</i> /	. /	1.
Screw										(\mathcal{A}	4/0	18/1
				Location		Loc Qty	L	oc Code				/	
				ST288		795			_	,	//	ι	•
				1001	51	695				γ	~1	,	,
•				1172	91	100					01	/ /	/
N960JD10LL		Purchased	No			100	Each	3,412.0000	4	20 /	E/\	120/1	
Vasher											101	UX [,	14
				Location		Loc Oty	<u>L</u>	oc Code			l		•
				ST337A		3412			20	~ //	v	/	
				1908	5	252			7)			

3160

19600

Page 1

DQA:	Date:	

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

								, 		QA Closed:	Date	2:
Work Order					DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
Part No					Rework Scrap	Scrap Machining Small Fab			Crosstube Small Fab	Pro	Engineering Quality	
NCR No	0				Use-as-is Work Order Update	Thermoforming Finishing Rec/Store/Packaging Supplier					Other	
Root		·······		Descri	ption of work order update	Initia	al	Act	ion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief £	Eng	Descr	iption	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling		ļ		•]						
Operator												
Material						1						
Setup	_						1					
Other										,		
Process												
Supplier							Ì					
Training												
Unapproved	<u> </u>											
					F.	AULT C	ATEG	ORY				
Landing	g Gear				General				_	7		
	Bending				Bend	Gra	ain			Ovalized		Pressure/Forced
	Centre No	ot Conce	ntric to C)/S	BOM/Route	Har	rdwar	e		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	Inst	pectio	on Incomplete		Part Incorre		Weld
L	Crushed/	Crimped.			Burrs	Inst	tructio	ons Incomplete/L	Jnclear	Part Lost/M	ssing	Wrong Stock Pulled
	Cuffs				Contamination	Ма	ainter	nance		Part Moved		
	Heat Trea	et			Countersink	Mis	slabel	ed		Positioned V	Vrong	
	Inspection	n Strip in	Tube		Cut Too Short	Mis	sread		<u></u>	Power Loss/	Surge	Other
	Ripples in	Bend			Drill Holes	Off	set					
	Torque W	/aves in E	xtrusion		Drawing	Out of Calibration						
	Turning S	equence			Finish	Out	t of Se	equence				
Ī	Marine /Tree	.: : 7			Tratia	\Box	احلمنمه	Dimensions				

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Picklist Print

July-24-12 9:13:39 AM

Page 2

Work Order ID:

87660

Parent Item:

D412-702-305

Parent Item Name:

Harness Assembly

MS21042L3

Nut

Purchased

No

3,956.0000

Start Date: 7/05/12

Start Qty: 5.00

Required Date: 8/24/12 Required Qty: 5.00

<u>Location</u>		Loc Qty	Loc Code	
316		990		
	122452	990		_20
ST300		966		
	117885	32		
	119017	725		
	119075	138		
	121444	71		
ST317		2000		
	122141	2000		

Each

100

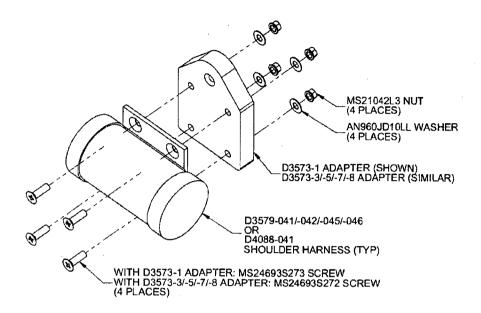
DQA:	Date:		
		~~~	

NCR: Yes / No

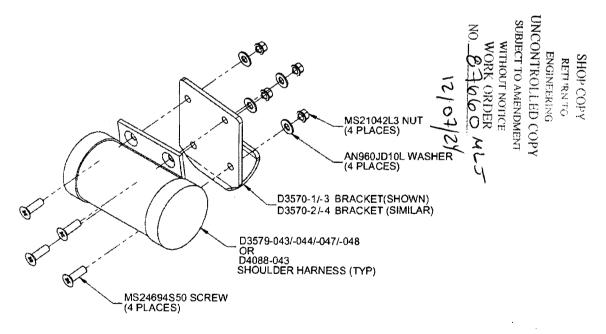
# WORK ORDER NON-CONFORMANCE / UPDATE

									QA Closed:	Date	e:
Work Orde	or.				DISPOSITION	Ì		AGAINST DE	PARTMENT	/PROCESS	
Part N	<del></del>				Rework Scrap Use-as-is	The	Skid-tube Machining ermoforming	Crosstube Small Fab Finishing		Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other
NCR N	lo	<del></del>			Work Order Update	Large Fab Composite Supplier					
Root				Descri	ption of work order update	Initia	Ac	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief E	ng Desc	ription	Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling Operator											
Material											
Setup						ļ					
Other											
Process											,
Supplier								•			
Training											
Unapproved											
					F.	AULT CA	TEGORY				
Landi	ng Gear				General			<b></b>	3	<b>-</b>	
	Bending				Bend	Grai			Ovalized	_	Pressure/Forced
	Centre No	ot Conce	ntric to	o/s	BOM/Route	$\vdash$	ware		Over/Under	<del>-</del>	Temperature/Cure
:	Cracks				Broken/Damaged	<b>—</b>	ection Incomplete		Part Incorre	<del> -</del>	Weld
	Crushed/	Crimped.			Burrs	_	uctions Incomplete/	'Unclear	Part Lost/M	· L	Wrong Stock Pulled
	Cuffs			<u> </u>	Contamination	<del></del> i	ntenance		Part Moved		
	Heat Trea	at			Countersink	Misl	abeled		Positioned \		
	Inspectio	n Strip in	Tube	<u> </u> _	Cut Too Short	Misr			Power Loss,	/Surge	Other
	Ripples in Bend Drill Hole			Drill Holes	Offs	et					
	Torque W	/aves in E	Extrusio	n [_	Drawing	Out of Calibration					
	Turning S	equence			Finish	Out	of Sequence				
	Ways/Turist in Tube					1 10	ida Dimonsians				

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G



<u>DETAIL 'K' D412-702-101A/-103A/-105A/-107A/-109A/-115A/-117A AND</u> <u>D412-702-101B/-103B/-105B/-107B/-109B/-115B/-117B OR -301/-303/-305/-307/-309/-315/-317 HARNESS ASSEMBLIES</u>



DETAIL 'L' D412-702-111A/-111B/-113A/-113B OR -311/-313/-321/-323 HARNESS ASSEMBLIES

COPYRIGHT © 2004 BY DART AEROSPACE LTD. •

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.